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Substitute for form 1449A-B/PTO

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number	09/782,587
Filing Date	February 12, 2001
First Named Inventor	Anders Hjelholt Pedersen
Group Art Unit	1645
Examiner Name	Unassigned
Attorney Docket Number	0212us310

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appeal
		Number	Kind Code (if known)			
RT	AA	4,784,950		Hagen <i>et al.</i>	11/15/1998	
	AB	4,904,584		Shaw	02/27/1990	
	AC	5,041,376		Gething <i>et al.</i>	08/20/1991	
	AD	5,180,583		Hedner	01/19/1993	
	AE	5,225,537		Foster	07/06/1993	
	AF	5,288,629		Berkner	02/22/1994	
	AG	5,460,950		Barr <i>et al.</i>	10/24/1995	
	AH	5,580,560		Nicolaisen <i>et al.</i>	12/03/1996	
	AI	5,648,254		Mulvihill <i>et al.</i>	07/15/1997	
	AJ	5,824,634		Merchant	10/20/1998	
	AK	5,891,843		Turecek <i>et al.</i>	04/06/1999	
	AL	5,965,425		Barr <i>et al.</i>	10/12/1999	
	AM	5,986,079		Barr <i>et al.</i>	11/16/1999	
	AN	6,013,620		Turecek <i>et al.</i>	01/11/2000	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				
RT	AO	EP	0 370 205 A2		Kyowa Hakko Kogyo Co., Ltd.	05/30/1990		
	AP	EP	0 512 011 B1		Immuno Aktiengesellschaft	11/11/1992		
	AQ	WO	88/10295		Novo Industri A/S <i>et al.</i>	12/29/1988		
	AR	WO	91/11514		Zymogenetics, Inc.	08/08/1991		
	AS	WO	92/15686		Zymogenetics, Inc., <i>et al.</i>	09/17/1992		
	AT	WO	96/00577		COR Therapeutics, Inc.	01/11/1996		

AUFOREIGN PATENT DOCUMENTS

Examiner Signature	R.T. <i>eller</i>	Date Considered	8/11/03
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Attorney Docket Number 0212us310

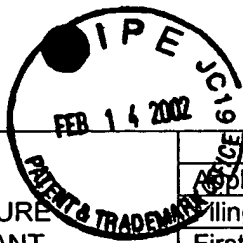
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RT	AU	WO	98/32466 ✓	Polymasc Pharmaceuticals Plc	07/30/1998		
	AV	WO	98/35026 ✓	Novo Nordisk A/S	08/13/1998		
	AW	WO	99/03498 ✓	Novo Nordisk A/S	01/28/1999		
	AX	WO	99/03887 ✓	Bolder Biotechnology, Inc.	01/28/1999		
	AY	WO	99/20767 ✓	Regents of the University of Minnesota	04/29/1999		
	AZ	WO	99/66031 ✓	Baxter Aktiengesellschaft	12/23/1999		
	BA	WO	00/26230 ✓	Novo Nordisk A/S	05/11/2000		
	BB	WO	00/26354 ✓	Novo Nordisk A/S	05/11/2000		
	BC	WO	00/28065 ✓	Novo Nordisk A/S	05/18/2000		
	BD	WO	00/54787 ✓	The Children's Hospital of Philadelphia <i>et al.</i>	09/21/2000		
	BE	WO	00/66753 ✓	Regents of the University of Minnesota	11/09/2000		
	BF	WO	01/83725 A1 ✓	Novo Nordisk A/S	11/08/2001		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
RT	BG	Bharadwaj, D., <i>et al.</i> , "Factor VII Central—A Novel Mutation in the Catalytic Domain that Reduces Tissue Factor Binding, Impairs Activation by Factor XA, and Abolishes Amidolytic and Coagulant Activity," <i>J. Biological Chemistry</i> 271(48):30685-30691 (1996)	
I	BH	Bjoern, S., <i>et al.</i> , "Human Plasma and Recombinant Factor VII – Characterization of O-Glycosylations at Serine Residues 52 and 60 and Effects of Site-Directed Mutagenesis of Serine 52 to Alanine," <i>J. Biological Chemistry</i> 266(17):11051-11057 (1991)	

Examiner Signature	R.T. Allen	Date Considered	8/11/03
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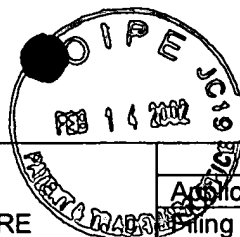


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RT	BI	Chang, J-Y., <i>et al.</i> , "Replacing the First Epidermal Growth Factor-like Domain of Factor IX with That of Factor VII Enhances Activity In Vitro and in Canine Hemophilia B," <i>J. Clin. Invest.</i> 100(4):886-892 (1997)	
	BJ	Chang, Y-J., <i>et al.</i> , "Engineered Recombinant Factor VII Q ²¹⁷ Variants with Altered Inhibitor Specificities," <i>Biochemistry</i> 38:10940-10948 (1999)	
	BK	Kemball-Cook, G., <i>et al.</i> , "Coagulation Factor VII Gln ¹⁰⁰ →Arg—Amino Acid Substitution at the Epidermal Growth Factor 2-Protease Domain Interface Results in Severely Reduced Tissue Factor Binding and Procoagulant Function," <i>J. Biological Chemistry</i> 273(14):8516-8521 (1998)	
	BL	Dickinson, C.D., <i>et al.</i> , "Active Site Modification of Factor VIIa Affects Interactions of the Protease Domain with Tissue Factor," <i>J. Biological Chemistry</i> 272(32):19875-19879 (1997)	
	BM	Dickinson, C.D., <i>et al.</i> , "Identification of surface residues mediating tissue factor binding and catalytic function of the serine protease factor VIIa," <i>Proc. Natl. Acad. Sci. USA</i> 93:14379-14384 (1996)	
	BN	Huang, Q., <i>et al.</i> , "Substrate Recognition by Tissue Factor-Factor VIIa – Evidence for Interaction of Residues Lys ¹⁶⁵ and Lys ¹⁶⁶ of Tissue Factor with the 4-Carboxyglutamate-Rich Domain of Factor X," <i>J. Biological Chemistry</i> 271(36):21752-21757 (1996)	
	BO	Iino, M., <i>et al.</i> , "Functional Consequences of Mutations in Ser-52 and Ser-60 in Human Blood Coagulation Factor VII," <i>Archives of Biochemistry and Biophysics</i> 352(2):182-192 (1998)	
	BP	Jin, J., <i>et al.</i> , "Factor VIIa's First Epidermal Growth Factor-like Domain's Role in Catalytic Activity," <i>Biochemistry</i> 38:1185-1192 (1999)	
	BQ	Kelly, C.R., <i>et al.</i> , "Ca ²⁺ Binding to the First Epidermal Growth Factor Module of Coagulation Factor VIIa Is Important for Cofactor Interaction and Proteolytic Function," <i>J. Biological Chemistry</i> 272(28):17467-17472 (1997)	

Examiner Signature	R. Teller	Date Considered	8/11/03
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RT	BR	Leonard, B.J.N., <i>et al.</i> , "Activation and Active Site Occupation Alter Conformation in the Region of the First Epidermal Growth Factor-like Domain of Human Factor VII," <i>J. Biological Chemistry</i> 275(45):34894-34900 (2000)	
	BS	Persson, E., "Characterization of the interaction between the light chain of factor VIIa and tissue factor," <i>FEBS Letters</i> 413:359-363 (1997)	
	BT	Persson, E., <i>et al.</i> , "Site-directed mutagenesis but not γ -carboxylation of Glu-35 in factor VIIa affects the association with tissue factor," <i>FEBS Letters</i> 385:241-243 (1996)	
	BU	Persson, E., <i>et al.</i> , " Ca^{2+} Binding to the First Epidermal Growth Factor-like Domain of Factor VIIa Increases Amidolytic Activity and Tissue Factor Affinity," <i>J. Biological Chemistry</i> 272(32):19919-19924 (1997)	
	BV	Petersen, L.C., <i>et al.</i> , "Binding of Zn^{2+} to a Ca^{2+} loop allosterically attenuates the activity of factor VIIa and reduces its affinity for tissue factor," <i>Protein Science</i> 9:859-866 (2000)	
	BW	Petrovan, R.J., <i>et al.</i> , "Role of Residue Phe ²²⁵ in the Cofactor-Mediated, Allosteric Regulation of the Serine Protease Coagulation Factor VIIa," <i>Biochemistry</i> 39:14457-14463 (2000)	
	BX	Ruf, W., <i>et al.</i> , "Importance of Factor VIIa Gla-Domain Residue Arg-36 for Recognition of the Macromolecular Substrate Factor X Gla-Domain," <i>Biochemistry</i> 38:1957-1966 (1999)	
	BY	Shah, A.M., <i>et al.</i> , "Manipulation of the membrane binding site of vitamin K-dependent proteins: Enhanced biological function of human factor VII," <i>Proc. Natl. Acad. Sci. USA</i> 95:4229-4234 (1998)	
	BZ	Shobe, J., <i>et al.</i> , "Macromolecular Substrate Affinity for the Tissue Factor-Factor VIIa Complex is Independent of Scissile Bond Docking," <i>J. Biological Chemistry</i> 274(34):24171-24175 (1999)	
	CA	Shobe, J., <i>et al.</i> , "Regulation of the Catalytic Function of Coagulation Factor VIIa by a Conformational Linkage of Surface Residue Glu 154 to the Active Site," <i>Biochemistry</i> 38:2745-2751 (1999)	

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